

## EAST Search History

| Ref # | Hits    | Search Query                    | DBs                            | Default Operator | Plurals | Time Stamp          |
|-------|---------|---------------------------------|--------------------------------|------------------|---------|---------------------|
| L1    | 1607    | 252/583,582,586.ccls.           | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:54 |
| L2    | 265     | 106/31.16-31.18.ccls.           | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:55 |
| L3    | 10246   | 428/402.2,520,522,324,323.ccls. | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:55 |
| L4    | 436     | 524/343.ccls.                   | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:56 |
| L5    | 760     | 106/499.ccls.                   | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:56 |
| L6    | 3       | ((arno) near2 (Seeboth)).inv.   | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:57 |
| L7    | 7       | ((detlef) near2 (lotzsch)).inv. | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:57 |
| L8    | 2       | ((jorg) near2 (kriwanek)).inv.  | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:58 |
| L9    | 23      | ((andreas) near2 (lutz)).inv.   | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2008/04/22<br>16:58 |
| L10   | 4060    | thermochromic                   | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>16:59 |
| L12   | 47176   | thermoset                       | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:00 |
| L13   | 2059784 | composition\$2                  | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:00 |
| L14   | 58      | thermochromic same surfactant   | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:01 |
| L15   | 13263   | I1 I2 I3 I4 I5                  | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:01 |
| L16   | 1       | I6 and I7 and I8 and I9         | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:01 |
| L17   | 2062    | I10 and I13                     | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:02 |
| L18   | 136     | I12 and I17                     | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2008/04/22<br>17:02 |

|     |        |                                        |                                |    |     |                     |
|-----|--------|----------------------------------------|--------------------------------|----|-----|---------------------|
| L19 | 10     | I15 and I18                            | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON  | 2008/04/22<br>17:03 |
| S4  | 2360   | 252/582-589.ccls.                      | USPAT                          | OR | OFF | 2008/03/18<br>13:08 |
| S5  | 12395  | 428/500-523.ccls.                      | USPAT                          | OR | OFF | 2008/03/18<br>13:08 |
| S6  | 1962   | 428/412.ccls.                          | USPAT                          | OR | OFF | 2008/03/18<br>13:09 |
| S7  | 471    | 428/424.2.ccls.                        | USPAT                          | OR | OFF | 2008/03/18<br>13:09 |
| S8  | 1035   | 428/441-442.ccls.                      | USPAT                          | OR | OFF | 2008/03/18<br>13:09 |
| S9  | 3739   | 428/461-463.ccls.                      | USPAT                          | OR | OFF | 2008/03/18<br>13:10 |
| S10 | 19085  | S4 S5 S6 S7 S8 S9                      | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:12 |
| S11 | 5512   | photochromic                           | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:12 |
| S12 | 517    | naphthopyrans                          | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:13 |
| S13 | 491    | S11 and S12                            | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:13 |
| S14 | 245258 | substitution                           | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:13 |
| S15 | 141    | S13 and S14                            | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:13 |
| S16 | 39     | S15 and S10                            | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>13:14 |
| S19 | 64934  | (anu chopra and Boon-kyu kim).inv.     | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>16:28 |
| S21 | 16     | ((anu) near2 (chopra)).inv.            | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/18<br>16:29 |
| S22 | 700436 | ( "3" or "6" or "11") near5 (position) | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/19<br>16:41 |
| S23 | 2360   | 252/582-589.ccls.                      | USPAT                          | OR | OFF | 2008/03/19<br>16:42 |
| S24 | 12395  | 428/500-523.ccls.                      | USPAT                          | OR | OFF | 2008/03/19<br>16:42 |
| S25 | 1962   | 428/412.ccls.                          | USPAT                          | OR | OFF | 2008/03/19<br>16:42 |
| S26 | 471    | 428/424.2.ccls.                        | USPAT                          | OR | OFF | 2008/03/19<br>16:42 |
| S27 | 1035   | 428/441-442.ccls.                      | USPAT                          | OR | OFF | 2008/03/19<br>16:42 |
| S28 | 3739   | 428/461-463.ccls.                      | USPAT                          | OR | OFF | 2008/03/19<br>16:42 |
| S29 | 19085  | S23 S24 S25 S26 S27 S28                | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/19<br>16:42 |
| S30 | 5512   | photochromic                           | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/19<br>16:42 |
| S31 | 517    | naphthopyrans                          | US-PGPUB;<br>USPAT             | OR | OFF | 2008/03/19<br>16:42 |

|     |        |                                    |                    |    |     |                     |
|-----|--------|------------------------------------|--------------------|----|-----|---------------------|
| S32 | 491    | S30 and S31                        | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/19<br>16:42 |
| S33 | 245258 | substitution                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/19<br>16:42 |
| S34 | 141    | S32 and S33                        | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/19<br>16:42 |
| S35 | 39     | S34 and S29                        | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/19<br>16:42 |
| S36 | 20     | S22 and S35                        | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/19<br>16:42 |
| S51 | 11     | "6146554"                          | USPAT              | OR | OFF | 2008/03/20<br>12:14 |
| S52 | 18     | ((Junji) near2 (momoda)).inv.      | USPAT              | OR | OFF | 2008/03/24<br>07:50 |
| S53 | 7      | ((yuichiro) near2 (kawabata)).inv. | USPAT              | OR | OFF | 2008/03/24<br>07:51 |
| S54 | 93     | ((nobuyuki) near2 (tanaka)).inv.   | USPAT              | OR | OFF | 2008/03/24<br>07:52 |
| S55 | 0      | ((arihiro) near2 (iwata)).inv.     | USPAT              | OR | OFF | 2008/03/24<br>07:52 |
| S56 | 2360   | 252/582-589.ccls.                  | USPAT              | OR | OFF | 2008/03/24<br>07:53 |
| S57 | 2360   | S56                                | USPAT              | OR | OFF | 2008/03/24<br>07:53 |
| S58 | 12395  | 428/500-523.ccls.                  | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S59 | 1962   | 428/412.ccls.                      | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S60 | 471    | 428/424.2.ccls.                    | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S61 | 1035   | 428/441-442.ccls.                  | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S62 | 3739   | 428/461-463.ccls.                  | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S63 | 16784  | S58 S59 S60 S61 S62                | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S64 | 19085  | S57 S63                            | USPAT              | OR | OFF | 2008/03/24<br>07:55 |
| S65 | 84     | "549/381".ccls.                    | USPAT              | OR | OFF | 2008/03/24<br>07:57 |
| S66 | 19152  | S64 S65                            | USPAT              | OR | OFF | 2008/03/24<br>07:57 |
| S67 | 5521   | photochromic                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/24<br>07:57 |
| S68 | 3523   | S67                                | USPAT              | OR | OFF | 2008/03/24<br>07:57 |
| S69 | 519    | naphthopyrans                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/24<br>07:58 |
| S70 | 286    | S69                                | USPAT              | OR | OFF | 2008/03/24<br>07:58 |
| S71 | 245582 | substitution                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/24<br>07:58 |
| S72 | 148683 | S71                                | USPAT              | OR | OFF | 2008/03/24<br>07:58 |

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|------|--------|------------------------------------|--------------------|----|-----|---------------------|
| S73  | 76     | S68 and S69 and S71                | USPAT              | OR | OFF | 2008/03/24<br>07:59 |
| S83  | 26389  | molded near3 body                  | USPAT              | OR | OFF | 2008/03/24<br>12:37 |
| S94  | 1      | "6296785".pn.                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/25<br>08:22 |
| S95  | 18     | ((Junji) near2 (momoda)).inv.      | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S96  | 7      | ((yuichiro) near2 (kawabata)).inv. | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S97  | 93     | ((nobuyuki) near2 (tanaka)).inv.   | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S98  | 0      | ((arihiro) near2 (iwata)).inv.     | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S99  | 2360   | 252/582-589.ccls.                  | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S100 | 2360   | S99                                | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S101 | 12397  | 428/500-523.ccls.                  | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S102 | 1962   | 428/412.ccls.                      | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S103 | 471    | 428/424.2.ccls.                    | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S104 | 1036   | 428/441-442.ccls.                  | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S105 | 3739   | 428/461-463.ccls.                  | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S106 | 16787  | S101 S102 S103 S104 S105           | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S107 | 19088  | S100 S106                          | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S108 | 84     | "549/381".ccls.                    | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S109 | 19155  | S107 S108                          | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S110 | 5526   | photochromic                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/25<br>09:14 |
| S111 | 3528   | S110                               | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S112 | 521    | naphthopyrans                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/25<br>09:14 |
| S113 | 288    | S112                               | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S114 | 245739 | substitution                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/03/25<br>09:14 |
| S115 | 148840 | S114                               | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S116 | 78     | S111 and S112 and S114             | USPAT              | OR | OFF | 2008/03/25<br>09:14 |
| S117 | 1307   | 528/28.ccls.                       | USPAT              | OR | OFF | 2008/04/03<br>16:46 |
| S118 | 769    | 252/582.ccls.                      | USPAT              | OR | OFF | 2008/04/03<br>16:46 |

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|------|--------|---------------------------------------------------|--------------------|----|-----|---------------------|
| S119 | 1096   | 526/319.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>16:47 |
| S120 | 4245   | 428/447.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>16:47 |
| S121 | 1096   | 526/319.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>16:47 |
| S122 | 367    | 525/330.3.ccls.                                   | USPAT              | OR | OFF | 2008/04/03<br>16:47 |
| S123 | 298    | 522/71.ccls.                                      | USPAT              | OR | OFF | 2008/04/03<br>16:48 |
| S124 | 490    | 252/586.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>16:49 |
| S125 | 76     | ((hiroshi) near2 (ota)).inv.                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:50 |
| S126 | 8      | ((ken-ichi) near2 (Shinde)).inv.                  | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:51 |
| S127 | 5551   | photochromic                                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:52 |
| S128 | 8591   | (radical\$5 adj2 polymer\$8) near5 group<br>\$2   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:55 |
| S129 | 5548   | ((organ\$3 adj2 silicon\$2) near3<br>compound\$3) | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:56 |
| S130 | 305180 | epoxy                                             | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:57 |
| S131 | 23205  | (cura\$3 near3 composition\$3)                    | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:58 |
| S132 | 7937   | S117 S118 S119 S120 S121 S122 S123                | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:59 |
| S133 | 1      | S125 and S126                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:59 |
| S134 | 2217   | S129 and S130                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>16:59 |
| S135 | 200    | S127 and S128                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:06 |
| S136 | 42     | S127 and S134                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:07 |
| S137 | 6      | S136 and S132                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:09 |
| S138 | 5      | S128 with S129                                    | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:10 |
| S139 | 8213   | optical\$3 near3 article\$3                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:12 |
| S140 | 481    | S139 and S131                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:12 |
| S141 | 381    | S130 and S140                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:14 |
| S142 | 73     | S127 and S141                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:14 |
| S143 | 73     | S131 and S142                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:16 |
| S144 | 129    | S128 and S134                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:26 |
| S146 | 8356   | S132 S124                                         | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:28 |

|      |        |                                                   |                    |    |     |                     |
|------|--------|---------------------------------------------------|--------------------|----|-----|---------------------|
| S147 | 350    | S127 and S146                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:29 |
| S148 | 129    | S134 and S128                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:32 |
| S149 | 56     | S131 and S148                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S150 | 1307   | 528/28.ccls.                                      | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S151 | 769    | 252/582.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S152 | 1096   | 526/319.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S153 | 4245   | 428/447.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S154 | 1096   | 526/319.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S155 | 367    | 525/330.3.ccls.                                   | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S156 | 298    | 522/71.ccls.                                      | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S157 | 490    | 252/586.ccls.                                     | USPAT              | OR | OFF | 2008/04/03<br>17:33 |
| S158 | 76     | ((hiroshi) near2 (ota)).inv.                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S159 | 8      | ((ken-ichi) near2 (Shinde)).inv.                  | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S160 | 5551   | photochromic                                      | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S161 | 8591   | (radical\$5 adj2 polymer\$8) near5 group<br>\$2   | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S162 | 5548   | ((organ\$3 adj2 silicon\$2) near3<br>compound\$3) | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S163 | 305180 | epoxy                                             | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S164 | 23205  | (cura\$3 near3 composition\$3)                    | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S165 | 7937   | S117 S118 S119 S120 S121 S122 S123                | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S166 | 1      | S125 and S126                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S167 | 2217   | S129 and S130                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S168 | 42     | S127 and S134                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S169 | 6      | S136 and S132                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S170 | 5      | S128 with S129                                    | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S171 | 200    | S127 and S128                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S172 | 8213   | optical\$3 near3 article\$3                       | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |
| S173 | 73     | S127 and S141                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/04/03<br>17:33 |

|      |        |                                     |                                                                         |    |     |                     |
|------|--------|-------------------------------------|-------------------------------------------------------------------------|----|-----|---------------------|
| S174 | 73     | S131 and S142                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S175 | 381    | S130 and S140                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S176 | 481    | S139 and S131                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S177 | 129    | S128 and S134                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S178 | 8356   | S132 S124                           | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S179 | 350    | S127 and S146                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S180 | 129    | S134 and S128                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S181 | 56     | S131 and S148                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/03<br>17:33 |
| S182 | 2361   | 252/582-589.ccls.                   | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S183 | 12400  | 428/500-523.ccls.                   | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S184 | 1964   | 428/412.ccls.                       | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S185 | 472    | 428/424.2.ccls.                     | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S186 | 1037   | 428/441-442.ccls.                   | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S187 | 3739   | 428/461-463.ccls.                   | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S188 | 19096  | S182 S183 S184 S185 S186 S187       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>13:03 |
| S189 | 19096  | S188                                | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:03 |
| S191 | 5      | ((Wenjing) near2 (Xiao)).inv.       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/04/07<br>13:06 |
| S192 | 5551   | photochromic                        | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>13:06 |
| S193 | 522    | naphthopyrans                       | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>13:06 |
| S195 | 246329 | substitution                        | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>13:07 |
| S196 | 148997 | S195                                | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:07 |
| S197 | 587    | (ferrocenyl\$2 or FE) adj2 group\$2 | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:07 |
| S198 | 6      | S195 with S197                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/04/07<br>13:09 |

|      |       |                                      |                                                                         |    |     |                     |
|------|-------|--------------------------------------|-------------------------------------------------------------------------|----|-----|---------------------|
| S202 | 148   | S193 and S189                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>13:11 |
| S205 | 1     | "20050096467"                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:10 |
| S206 | 411   | (ferrocenyl\$2 or FE) adj2 group\$2  | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:31 |
| S208 | 57130 | naphtho\$6                           | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>14:34 |
| S209 | 57130 | naphtho\$6                           | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>14:34 |
| S212 | 19    | S206 and S209                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:35 |
| S214 | 714   | S209 and S192                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:39 |
| S218 | 411   | S189 and S192                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/04/07<br>14:41 |
| S220 | 5366  | (ferrocenyl\$2 or FE) near3 group\$2 | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:43 |
| S221 | 1     | S218 and S220                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:44 |
| S222 | 151   | S209 and S220                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:46 |
| S223 | 3     | S192 and S222                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>14:47 |
| S225 | 2     | "20050096467"                        | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2008/04/07<br>15:17 |
| S226 | 0     | ("7229989").URPN.                    | USPAT                                                                   | OR | OFF | 2008/04/07<br>15:17 |
| S227 | 2     | ("4818096"   "5990305").PN.          | US-PGPUB;<br>USPAT; USOCR                                               | OR | OFF | 2008/04/07<br>15:18 |
| S228 | 1     | "5817256".pn.                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>15:49 |
| S229 | 1     | "4832855".pn.                        | USPAT                                                                   | OR | OFF | 2008/04/07<br>15:50 |
| S230 | 2     | ("4465621").PN. OR ("4832855").URPN. | US-PGPUB;<br>USPAT; USOCR                                               | OR | OFF | 2008/04/07<br>15:51 |
| S231 | 9     | ("4465621").URPN.                    | USPAT                                                                   | OR | OFF | 2008/04/07<br>15:52 |

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